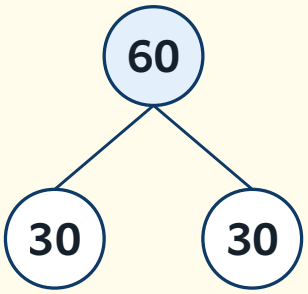
Lesson 21 Multiplication facts: the 3, 6, 9 and 7, 8 tables

6 × 10 BY DOUBLING A 3 FACT

1. Start with the matching 3 fact: 3 × 10 = **30**.
2. Double that answer, because 6 is 3 doubled: 30 + 30 = **60**.
3. So 6 × 10 = **60**.



WARM-UP

Mark the times tables on the hundred square, one at a time, and watch where they land on top of each other.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

1. Circle every multiple of 3, all the way to 60.
2. Put a cross on every multiple of 6. Which of your circles get a cross: every second one, or every third one?
3. Shade every multiple of 9. Which of your circles are shaded? Add the two digits of each shaded number. What do you notice?

PRACTICE

1. A hurling club has **6** teams and each team scores **8** points. How many points is that altogether? _____

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

a. The answer to a 6 times fact is double the matching 3 times fact. ☐

b. The digits of an answer in the 9 times table add up to 9. ☐

c. An answer in the 3 times table is an even number. ☐

d. A 7 times fact gives the same answer as the matching 8 times fact. ☐

REFLECT Which times-table pattern sticks in your mind best, and how does it help you?